

**05-70-0111****EPDM – Ethylene-propylene-rubber****Description**

- Special peroxide cured compound. Developed primarily for applications in drinking water with all the necessary authorizations

**Property**

- EPDM peroxide cured
- Excellent ozone, aging and weather resistance
- Chemical resistance above average
- Hot water up to +130 °C

**Typical applications**

- Drinking water and beverage industry
- Suitable for hot chlorinated water
- Food industry applications

**Further information**

- In case lubrication is required, special lubricants (for instance silicone grease) have to be used. Do not use mineral oils or greases
- Please test the suitability of the material by means of the list of chemical resistances

**Conformity**

- KTW-recommendation D2
- FDA-compliance 21 CFR § 177.2600
- EN-approval 681-1
- NSF-approval standard 051 / 061
- WRC/WRAS-approval BS 6920
- DVGW process sheet W270
- ASC-compliance AFNOR
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- USP Class VI
- 3-A Sanitary Class II
- EG 1935/2004
- ADI-free
- REACH-compliance
- RoHS-compliance
- Free of phthalate-based plasticizers

Technical specifications			
			[Value]
<b>Color</b>			black
<b>Hardness</b>	ASTM D 2240	[Shore A]	70 ±5
<b>Tensile strength</b>	ASTM D 412 C	[MPa]	15
<b>Elongation at tear</b>	ASTM D 412 C	[%]	170
<b>Specific gravity</b>	ASTM D 1817	[g/cm <sup>3</sup> ]	1.13
<b>Tear strength</b>	ASTM D 624 B	[N/mm]	32
<b>Compression set</b>	ISO 815 B		
<b>During 22h and +150 °C</b>	25% compression	[%]	15
<b>Temperature</b>		[°C]	-45 - +150
<b>temperature min. flexibility TR 10</b>	ASTM D 1329	[°C]	-48

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